Release Notes

DRIVER VERSION: 25.20.100.6618

DATE: March 27th, 2019

HIGHLIGHTS:

- **Recommended driver for the Intel® Graphics Command Center**
- **Launch Driver**
    - **Generation Zero***
    - **Anno 1800***
    - **World War Z***

This is the recommended driver for the early access release of the brand-new Intel® Graphics Command Center. If not already installed, this driver will add the Intel® Graphics Command Center to the system.

The Intel® Graphics Command Center (IGCC) is a software interface that provides consumers a modern design to optimize their visual experience – built on community feedback, and designed for simplicity and ease of use:

- IGCC scans for installed games to provide 1-click optimization of in-game settings based on the user's hardware, and the ability to create custom game profiles to directly tune individual game settings.

- Additionally, IGCC helps consumers understand graphics settings with simple explanations and before-and-after images to recognize how each setting will tax their hardware.

GAMING HIGHLIGHTS:

Experience a game of cat and mouse set in a vast open world in **Generation Zero*** or set sail in **One Piece: World Seeker*** on Intel® UHD Graphics 630 or better.

Join the Industrial Revolution of the 19th century and start building your industry empire with **Anno 1800***, help save humanity from a zombie invasion in **World War Z*** or take control of the first modern human settlement and guide through their survival in **Dawn of Man*** on Intel® UHD Graphics 620 or better.

DEVELOPER HIGHLIGHTS:

- Adds Intel Extension to support wave intrinsics on DirectX* 11. HLSL Header file is now available on GitHub.

PERFORMANCE IMPROVEMENTS:

- Performance optimizations for **My time at Portia***.
- Windows 10 HDR support improvements.
- Reduction in CPU overhead when running media/video workloads.

KEY ISSUES FIXED:

NOTE: This driver contains stability improvements.

- Intermittent crashes or hangs may occur in Resident Evil 2* / Biohazard RE:2* (DX12), Devil May Cry 5* (DX12).
- Minor graphics anomalies may be observed in Battlefield V* (DX11*).
- Color and contrast may shift while playing Youtube* and moving the cursor.

This document provides information about Intel's Graphics Driver for:

- 9th Generation Intel® Core processors, related Pentium®/Celeron® Processors, and Intel® Xeon processors, with Intel® UHD Graphics 630.
- 8th Generation Intel® Core processors, related Pentium®/ Celeron® Processors, and Intel® Xeon processors, with Intel® Iris® Plus Graphics 655 and Intel® UHD Graphics 610, 620, 630, P630.
- 7th Generation Intel® Core processors, related Pentium®/ Celeron® Processors, and Intel® Xeon processors, with Intel® Iris® Plus Graphics 640, 650 and Intel® HD Graphics 610, 615, 620, 630, P630.
- 6th Generation Intel® Core processors, Intel Core™ M, and related Pentium® processors, with Intel® Iris® Graphics 540, Intel® Iris® Graphics 550, Intel® Iris® Pro Graphics 580, and Intel® HD Graphics 510, 515, 520, 530.
- Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530
- Pentium®/ Celeron® Processors with Intel® HD Graphics 500, 505 and Intel® UHD Graphics 600, 605 Pentium®/Celeron® Intel UHD 600, 605

Be sure to check out gameplay.intel.com, where you'll find recommended game settings for many more of your favorite PC games.

Get a front row pass to gaming deals, contests, betas, and more with Intel® Software Gaming Access.

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver (10.26.00.06)
- Intel® Media SDK Runtime
- Intel® OpenCL* Driver
- Intel® Graphics Command Center (iGCC) early access
- Vulkan* Runtime Installer (1.1.97.0)

OPERATING SYSTEM SUPPORT:

On 9th Generation Intel® Core processors, 8th Generation Intel® Core processors, 7th Generation Intel® Core processors, 6th Generation Intel® Core and Intel® Mobile Xeon processors and related Pentium/Celeron:

     Microsoft Windows* 10-64 - Fall Creators Update (1709)
     Microsoft Windows* 10-64 - April 2018 Update (1803)
     Microsoft Windows* 10-64 - October 2018 Update (1809)

KNOWN ISSUES:

- Intermittent crashes or hangs may occur in Devil May Cry 5* (DX11).
- Minor graphics anomalies may be observed in Apex Legends* (low quality settings with TSAA disabled on 6th generation Processors only), Re-Legion*, Arma 3* (6th generation processors only), Generation Zero*, and Tom Clancy's The Division 2* (DX12).
- Corruptions may be seen in video recorded by Cyberlink* screen recorder.
- Color band may be observed on either side of Netflix* playback on HDR displays.

SUPPORTED PRODUCTS:

HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics[1]	DirectX*[2]	OpenGL*	OpenCL*	Vulkan*	Intel® Quick Sync Video
9th Generation Intel® Core™ processors with Intel® UHD Graphics 630	12	4.5	2.1	1.1.98	Yes
8th Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 655	12	4.5	2.1	1.1.98	Yes
8th Generation Intel® Core™ processors with Intel® UHD Graphics 610/620/630/P630	12	4.5	2.1	1.1.98	Yes
7th Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 640/650	12	4.5	2.1	1.1.98	Yes
7th Generation Intel® Core™ processors with Intel® HD Graphics 610/615/620/630	12	4.5	2.1	1.1.98	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P630	12	4.5	2.1	1.1.98	Yes
Pentium Processors with Intel® HD Graphics 610	12	4.5	2.1	1.1.98	Yes
6th Generation Intel® Core™ processors with Intel® Iris® Pro Graphics 580	12	4.5	2.0	1.1.98	Yes
6th Generation Intel® Core™ processors with Intel® Iris® Graphics 540/550	12	4.5	2.0	1.1.98	Yes
6th Generation Intel® Core™ processors with Intel® HD Graphics 520/530	12	4.5	2.0	1.1.98	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530	12	4.5	2.0	1.1.98	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® Iris Pro Graphics P580	12	4.5	2.0	1.1.98	Yes
Intel® Core™ M processors with Intel® HD Graphics 515	12	4.5	2.0	1.1.98	Yes
Pentium® and Celeron® Processors with Intel® HD Graphics 500/505/510	12	4.5	1.2	1.1.98	Yes
Pentium® and Celeron® Processors with Intel® UHD Graphics 600/605	12	4.5	1.2	1.1.98	Yes

Note:
1. If you are uncertain of which Intel® processor is in your computer, Intel® recommends using the Intel Processor Identification Utility or Install the Intel® Driver & Support Assistant (previously called Intel® Driver Update Utility) to identify your Intel® processor.

2. In the Intel® Iris®, UHD, and HD Graphics Control Panel (under Options > Options menu > Information Center), the 'Installed DirectX* version' refers to the operating system's DirectX version. The Information Center's 'Supported DirectX* Version' refers to the Intel® Graphics Driver's supported DirectX version. The DirectX 12 API is supported but some optional features may not be available. Applications using the DirectX 12 API should query for feature support before using specific hardware features. Please note that DirectX12 is only supported on Windows 10© and DirectX11.3 support is also available on supported Microsoft* operating systems.

More on Intel® Core™ Processors

For more information on the Intel® Core™ processor family, Intel® Xeon® processor E3 family, and 9th Generation Intel® Core processors, please visit:

Intel® 9th Generation Core Processors
http://www.intel.com/content/www/us/en/processors/core/core-processor-family.html
http://www.intel.com/content/www/us/en/processors/xeon/xeon-processor-e3-family.html
http://www.intel.com/graphics

Work and play in high resolution with Intel® UHD Graphics, Iris® Graphics, Iris® Plus Graphics, and Iris® Pro Graphics. Watch captivating 4K Ultra HD (UHD) video on up to three screens, edit photos and videos like a pro, and immerse yourself in vividly rendered, seamless 3D gameplay - all with the added power boost of an Intel® Core™ processor. Intel® Graphics bring stunning visuals to thinner and lighter portable devices, like laptops, 2 in 1s, and desktop computers.

We continuously strive to improve the quality of our products to better serve our users and appreciate feedback on any issues you discover and suggestions for future driver releases. If you have an issue to submit, *please follow the guidance found here* Default level information for reporting Graphics issues.

*Other names and brands may be claimed as the property of others.